

ABSTRACT OF THE DISCLOSURE

- 28 A hollow helicopter blade pressure check and fill system and method to use same for hollow pressurized blades is disclosed including a digital pressure sensor, a control valve, a check/fill outlet, a gas supply connector, a check valve and interconnecting tubes incorporated into a carrying case. The digital pressure sensor does not require any barometric reading or correction thereby eliminating human error. The system is used in conjunction with a conventional gas supply system connected to a hollow helicopter blade to perform accurate structure integrity and airworthiness evaluation of the blade.

06079-104-PatApp-Final.doc